

SECTION 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY / UNDERTAKING

1.1 Product identifier

Trade name: 2,2'-[Methylenebis(oxy)]bis[propane]

Product no.: AG00BSBA

CAS number: 2568-89-0

EC number: /

REACH No. A registration number is not available for this substance as the substance or its uses are exempted from registration or the annual tonnage does not require a registration.

1.2 Relevant identified uses of the substance or mixture and uses advised against:

Product use: Laboratory chemicals, manufacture of chemical compounds

1.3 Details of the Supplier of the safety data sheet:

Company: **Angene**
Manufacturer 11/F, Tower 2, NO.17 Xinghuo Road
Nanjing High-Tech Zone, Pukou District
Nanjing, China 210061
Email: sales@angenechemical.com

Company: **CliniSciences**
Distributor Via Maremmana Inferiore 378
00012 Guidonia Montecelio
Italy
Tel: +39 06 94 80 56 71
E-mail: italia@clinisciences.com

1.4 Emergency telephone number:

Centro Antiveleni di Pavia 0382 24444 (CAV IRCCS Fondazione Maugeri – Pavia) - Centro Antiveleni di Milano 02 66101029 (CAV Ospedale Niguarda Ca' Granda – Milano) - Centro Antiveleni di Bergamo 800 883300 (CAV Ospedali Riuniti – Bergamo) - Centro Antiveleni di Firenze 055 79477819 (CAV Ospedale Careggi – Firenze) - Centro Antiveleni di Roma 06 3054343 (CAV Policlinico Gemelli – Roma) - Centro Antiveleni di Roma 06 49978000 (CAV Policlinico Umberto I – Roma).

SECTION 2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture according to CLP no. 1272/2008.

Acute toxicity, oral,(Category 4), H302

Skin corrosion/irritation,(Category 2), H315

Serious eye damage/eye irritation,(Category 2A), H319

Specific target organ toxicity, single exposure; Respiratory tract irritation,(Category 3), H335

For the full text of the H-Statements mentioned in this Section, see Section 16.

2.2 Label elements CLP no. 1272/2008:

Hazard pictograms:



Signal word:

Warning

Hazard statements:

H302 Harmful if swallowed
H315 Causes skin irritation
H319 Causes serious eye irritation
H335 May cause respiratory irritation

Precautionary statements:

P280 Wear protective gloves/protective clothing/eye protection/face protection.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Response:

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312 Call a POISON CENTER/ doctor if you feel unwell.

Storage:

P403 + P233 Store in a well-ventilated place. Keep container tightly closed.

Disposal:

P501 Dispose of contents/ container in accordance with national regulations.

Additional labeling:

None known.

2.3 Other Hazards.

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances:

CAS/EC-no.	REACH-no.	Name	Content %	Classification CLP
2568-89-0	-	2,2'- [Methylenebis(oxy)]bis[propane]	95%	Harmful if swallowed, Skin irrit., Eye irrit., Respiratory irrit. H302+H315+H319+H335

3.2 Mixture:

See subsection 3.1

3.3 Additional information:

See full text of H-phrases in section 16. Occupational limits are listed in section 8, if these are available.

SECTION 4. FIRST AID MEASURES

4.1 Description of first aid measures:

General information:	If any doubt or if symptoms persist, seek medical attention.
Inhalation:	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.
Skin contact:	Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation or rash occurs: Get medical advice/attention.
Eye contact:	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
Ingestion:	Get medical advice/attention if you feel unwell. Rinse mouth.

4.2 Most important symptoms and effects, both acute and delayed:

Potential acute health effects

Inhalation: Irritation may occur.
Swallowed: Irritation may occur.

Over-exposure signs/symptoms

4.3 Indication of any immediate medical attention and special treatment needed:

Treat symptomatically. If in contact with doctor, bring this safety data sheet with you.

SECTION 5. FIRE FIGHTING MEASURES

5.1 Extinguishing media: Dry chemical, foam, carbon dioxide

Unsuitable extinguishing media: /

5.2 Special hazards arising from the substance or mixture:

Hazardous combustion products: carbon oxides Nitrogen oxides
Take care as it may decompose upon combustion or in high temperatures to generate poisonous fume.
Closed containers may explode from heat of a fire.

5.3 Advice for firefighters: Wear self-contained breathing apparatus if possible.

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

Use personal protective equipment. Keep people away from and upwind of spill/leak. Entry to non-involved personnel should be controlled around the leakage area by roping off, etc.

6.2 Environmental precautions:

Prevent product from entering drains.

6.3 Methods and material for containment and cleaning up:

Sweep dust to collect it into an airtight container, taking care not to disperse it. Adhered or collected material should be promptly disposed of, in accordance with appropriate laws and regulation.

6.4 Reference to other sections:

See section 8 and 13 for further information.

SECTION 7. HANDLING AND STORAGE

7.1 Precautions for safe handling:

Handling is performed in a well-ventilated place. Wear suitable protective equipment. Prevent dispersion of dust. Wash hands and face thoroughly after handling. Use a local exhaust if dust or aerosol will be generated. Avoid contact with skin, eyes and clothing.

7.2 Conditions for safe storage, including any incompatibilities:

0°C (short term), -20°C (long term), desiccated
Keep container tightly closed. Store in a freezer. Store away from incompatible materials such as oxidizing agents. Heat-sensitive.

7.3 Specific end use(s):

Keep away from heat sources. Keep container tightly closed when not in use.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

National limit values

Occupational exposure limit values (Workplace Exposure Limits)

This information is not available.

DNEL / PNEC:

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8.2 Exposure controls

Appropriate engineering controls:

Follow safe industrial engineering/laboratory practices when handling any chemical. Install a closed system or local exhaust as possible so that workers should not be exposed directly. Also install safety shower and eye bath.

Individual protection measures, such as personal protective equipment:

Smoking, consumption of food or liquid, and storage of tobacco, food or liquid, are not allowed in the workroom. Avoid breathing vapor.

Respiratory Protection

Dust respirator. Follow local and national regulations.

Hand Protection

Wear compatible chemical-resistant gloves to prevent skin exposure.

Eye Protection

Safety glasses. A face-shield, if the situation requires.

Body Protection

Protective clothing. Protective boots, if the situation requires.

Advice on Safe Handling

Wear appropriate protective clothing to prevent exposure.

8.3 Measures to avoid environmental exposure:

Prevent product from entering drains.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

Physical state: liquid

Color: data not available

Odor: data not available

Molecular weight: 132.2007

Melting point/freezing point: data not available

Boiling point or initial boiling point and boiling range: 117-120 °C

Flammability this material is combustible, but will not ignite readily

Lower and upper explosion limit: data not available

Flash point: data not available

Auto-ignition temperature: data not available

Decomposition temperature: data not available

pH (value): data not available

Kinematic viscosity: not relevant

Solubility(ies): data not available

Vapor pressure: data not available

Density: data not available

Relative vapor density information on this property is not available

9.2 Other information:

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SECTION 10. STABILITY AND REACTIVITY

10.1 Reactivity: No data available

10.2 Chemical stability: Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions:
No data available

10.4 Conditions to avoid: No data available

10.5 Incompatible materials: There is no additional information.

10.6 Hazardous decomposition products:
No data available

SECTION 11. TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:

Classification acc. to GHS

This substance does not meet the criteria for classification.

Acute toxicity

Shall not be classified as acutely toxic.

Skin corrosion/irritation

Shall not be classified as corrosive/irritant to skin.

Serious eye damage/eye irritation

Shall not be classified as seriously damaging to the eye or eye irritant.

Respiratory or skin sensitization

Shall not be classified as a respiratory or skin sensitizer.

Germ cell mutagenicity

Shall not be classified as germ cell mutagenic.

Carcinogenicity

Shall not be classified as carcinogenic.

Reproductive toxicity

Shall not be classified as a reproductive toxicant.

Specific target organ toxicity - single exposure

Shall not be classified as a specific target organ toxicant (single exposure).

Specific target organ toxicity - repeated exposure

Shall not be classified as a specific target organ toxicant (repeated exposure).

Aspiration hazard

Shall not be classified as presenting an aspiration hazard.

Symptoms related to the physical, chemical and toxicological characteristics

- If swallowed

Data are not available.

- If in eyes

Data are not available.

- If inhaled

Data are not available.

- If on skin

Data are not available.

- Other information

Health effects are not known. This information is based upon the present state of our knowledge.

11.2 Additional information:

Endocrine disrupting properties

Does not contain an endocrine disruptor (EDC) in a concentration of $\geq 0,1\%$.

Other information

There is no additional information.

SECTION 12. ECOLOGICAL INFORMATION

- 12.1 Toxicity:** No data available.
- 12.2 Persistence and degradability:** No data available.
- 12.3 Bioaccumulative potential:** No data available.
- 12.4 Mobility in soil:** No data available.
- 12.5 Result of PBT and vPvB assesment:** PBT/vPvB assesment not available as chemical safety assesment not required/not conducted.
- 12.6 Endocrine disrupting properties:** No data available
- 12.7 Other adverse effects:** None known.

SECTION 13. DISPOSAL CONSIDERATIONS

- 13.1 Waste treatment methods:**
Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.
- Contaminated packing:** Dispose of as unused product.

SECTION 14. TRANSPORT INFORMATION

This product is not classified as dangerous to transport.

	ADR/RID	IMDG/IMO
14.1 UN number	-	-
14.2 UN proper shipping name	-	-
14.3 Transport hazard class(es)	-	-
14.4 Packing group	-	-
14.5 Environmental hazards - MP	No -	No -
Other information	LQ: - TUNNEL: -	LQ: - TUNNEL: -

14.6 Special precautions for user: no data available

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code: no data available

SECTION 15. REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

Regulatory List

AREC, DSL, ECL, EINECS, IECSC, NZIOC, TCSI, TSCA

Component	REACH (1907/2006) - Annex XIV - Substances Subject to Authorization	REACH (1907/2006) - Annex XVII - Restrictions on Certain Dangerous Substances	REACH Regulation (EC 1907/2006) article 59 - Candidate List of Substances of Very High Concern (SVHC)
2,2'-[Methylenebis(oxy)]bis[propane]	-----	-----	-----

15.2 Chemical safety assessment:

Chemical safety assessments have not been performed for this product.

SECTION 16. OTHER INFORMATION

Abbreviations and Acronyms:

DNEL = Derived No Effect Level

PNEC = Predicted No Effect Concentration

Full text of H-phrases as mentioned in section 3:

H302 Harmful if swallowed

H315 Causes skin irritation

H319 Causes serious eye irritation

H335 May cause respiratory irritation

Additional information:

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

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